

Raising the Design Voice in Government: A Case Study

Hello!



Kristal ByrdUser Experience Specialist
GSA



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Forum One

What we'll cover

- 1. Background
- 2. Progress we've made
- 3. Struggles we're facing
- 4. Case study: Per Diem Lookup
- 5. Mini case studies
- 6. Additional progress we need to make
- 7. How can you do this?
- 8. Q&A

About the UX effort

- Team members:
 - Program manager
 - Part-time consultants
 - Usability
 - Analytics
 - Project manager
- Time period: Sep 2016 to present
- Scope: GSA's entire digital presence
- Objectives: Provide recommendations to improve based on analytics and usability

About GSA.gov

- Purpose:
 - Primary external-facing site
- Complexity:
 - 8 primary audiences
 - 11 primary audience goals
 - 7000 pages
 - Hands off to hundreds of other GSA websites
- Content model: Distributed authorship
- UX maturity: Early stages
- Content organization: mostly organization-based

Progress we've made

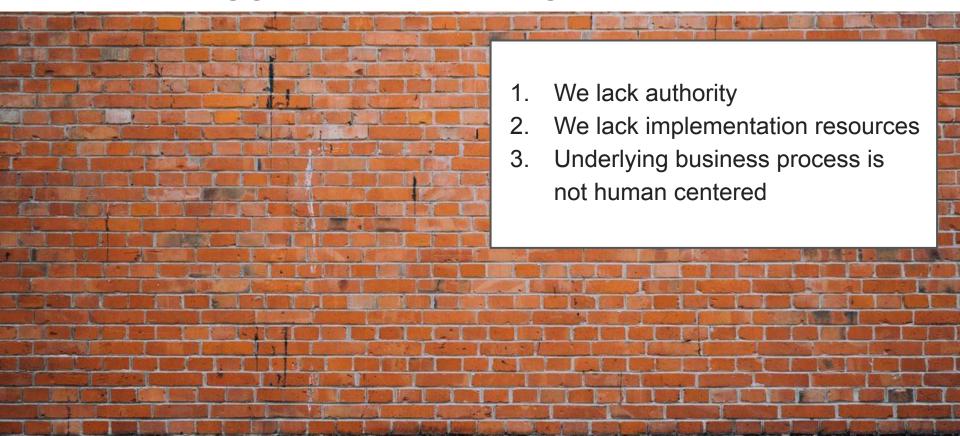
Count designs

- Sites tested: 8
- Sites implemented recommendations: 5

Count efforts that position us to be able to influence design

- Learning organizational challenges
- Developing strategic plays
- Increased organizational interest in analytics/usability
- Work closely with departments throughout the agency
- Increased self-sufficiency throughout the agency in analytics/usability

The struggles we're facing





Mitigating the struggles

Struggle	Mitigation
1. We lack authority	 Don't test sites we can't change. Get signed Letter of Intent from responsible party to implement agreed upon solutions Align with high visibility initiatives or other initiatives that:
2. We lack implementation resources	 Are user-centered Have funded implementation Want our help
Underlying business process is not human centered	 Align with projects that use an agile development process Otherwise negotiate an embedded UX process

Case Study:

Per Diem Lookup 

2

FY 2016 Per Diem Rates for District of Columbia / Maryland

(October 2015 - September 2016)

Cities not appearing below may be located within a county for which rates are listed.

To determine what county a city is located in, visit the National Association of Counties (NACO) website (a non-federal website).

		Max l	odging	ng by Month (excluding taxes)										
rimary estination		2015			2016									M&
., 2)	County (3, 4)	Oct	Nov	Dec		Feb		Apr	May			Aug	Sep	(5)
District of Columbia	Washington DC (also the cities of Alexandria, Falls Church and Fairfax, and the counties of Arlington and Fairfax, in Virginia; and the counties of Montgomery and Prince George's in Maryland)	\$222	\$179	\$179	\$179	\$179	\$226	\$226	\$226	\$226	\$174	\$174	\$222	\$6

Footnotes

- 1. Traveler reimbursement is based on the location of the work activities and not the accommodations, unless lodging is not available at the work activity, then the agency may authorize the rate where lodging is obtained.
- 2. Unless otherwise specified, the per diem locality is defined as "all locations within, or entirely surrounded by, the corporate limits of the key city, including independent entities located within those boundaries."
- 3. Per diem localities with county definitions shall include"all locations within, or entirely surrounded by, the corporate limits of the key city as well as the boundaries of the listed counties, including independent entities located within the boundaries of the key city and the listed counties (unless otherwise listed separately)."
- 4. When a military installation or Government-related facility (whether or not specifically named) is located partially within more than one city or county boundary, the applicable per diem rate for the entire installation or facility is the higher of the rates which apply to the cities and/or counties, even though part(s) of such activities may be located outside the defined per diem locality.
- 5. Meals and Incidental Expenses, see Breakdown of M&IE Expenses for important information on first and last days of travel.

3

Total	Continental Breakfast/ Breakfast	Lunch	Dinner	IE
\$51	\$11	\$12	\$23	\$5
\$54	\$12	\$13	\$24	\$5
\$59	\$13	\$15	\$26	\$5
\$64	\$15	\$16	\$28	\$5
\$69	\$16	\$17	\$31	\$5
\$74	\$17	\$18	\$34	\$5

This table lists the amount federal employees receive for the first and last calendar day of travel. The first and last calendar day of travel is calculated at 75 percent.

Total	First & Last Day of Travel	
\$51	\$38.25	
\$54	\$40.50	
\$59	\$44.25	
\$64	\$48.00	
\$69	\$51.75	
\$74	\$55.50	

Why Per Diem?

of all GSA.gov pageviews are per diem related

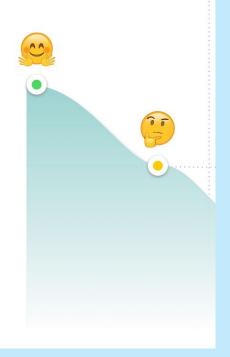
- Top user task on GSA.gov
- Customer satisfaction score in FY16 Q1 & Q2 for per diem and travel was 83/100.
- Good relationship with product owner

Timeline

Present February 2017 June 2017 Spring 2018 July 2018 May 2017 · Conflict again! · Start testing Oooof, Another Short-term Medium-term But.... waiting for · Put designs to the test · Ok, not great testing team of dev resources to improvements improvements results; here are coming in. Not · Let's keep iterating & • Let's keep iterating & become available some improvements. receptive to input. testing testing to make updates.

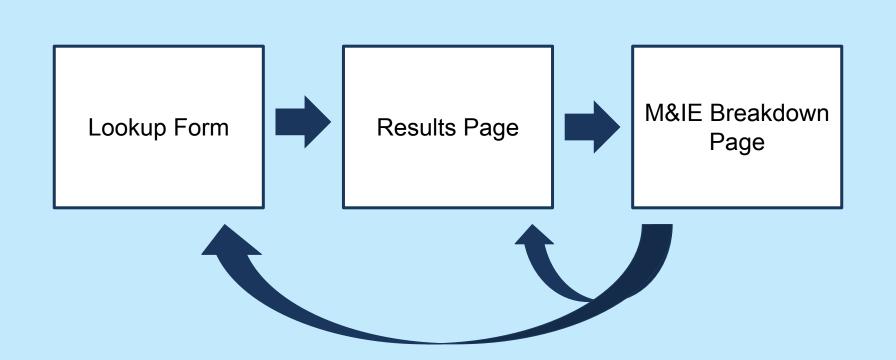
February 2017

- Start testing
- Ok, not great testing results; here are some improvements.



Tested actual users (determined by interviewing product owner and reviewing customer sat data)

Technique: Usability Testing **Tool:** UserTesting.com



May 2017

Oooof. Another team of dev coming in. Not receptive to input.



- Presented findings & had a collaborative workshop
- Presented recommendations conflict arose
- Struggle #3 Underlying business problem not human centered
- Need to clarify roles and build embedded UX process where there had previously been none

Technique: Embed UX into process

Tool: RACI Matrix

June 2017

- Short-term improvements
- Let's keep iterating & testing



- Short-term solution implemented
- Fixed M&IE page
- Still difficult 3-step journey, but the last page of journey is easier to understand

PER DIEM RATES

A CLAIGN

FY 2017 Per Diem Highlights Per Diem Mobile App

F10

Per Diem Contacts

> M&IE; Breakdown

Factors Influencing Lodging

Per Diem Boundaries

Fire Safe Hotels

Per Diem Look-up

Per Diem Files (Archived)

Meals and Incidental Expenses (M&IE;) Breakdown

The separate amounts for breakfast, lunch and dinner listed in the chart are provided should you need to deduct any of those meals from your trip routher. For example, if your trip includes meals that are already paid for by the government (such as through a registration fee for a conference), you will need to deduct those meals form your voucher. Refer to Section 301-11.18 of the Federal Travel Regulation for specific guidance on deducting these amounts from your per diem relimbusement claims for meals furnished to you by the government. Other organizations may have different rules that apply for their employees; please check with your organization for more assistance.

The table lists the six M&IE liers in the lower 48 continental United States (currently ranging from 551 to 574). If you need to deduct a meal amount, first determine the location where you will be working while on official travel. You can look up the location-specific information at www.gsa.gov/perdiem. The M&IE rate for your location will be one of the six tiers listed on this table. Find the corresponding amount on the first line of the table (M&IE Total) and then look below for each specific meal deduction amount.

The table also lists the portion of the M&IE rate that is provided for incidental expenses (currently \$5 for all tiers).

Total	Continental Breakfast/ Breakfast	Lunch	Dinner	IE
\$51	\$11	\$12	\$23	\$5
\$54	\$12	\$13	\$24	\$5
\$59	\$13	\$15	\$26	\$5
\$64	\$15	\$16	\$28	\$5
\$69	\$16	\$17	\$31	\$5
\$74	\$17	\$18	\$34	\$5

This table lists the amount federal employees receive for the first and last calendar day of travel. The first and last calendar day of travel is calculated at 75 percent.

Total	First & Last Day of Travel	
\$51	\$38.25	
\$54	\$40.50	
\$59	\$44.25	
\$64	\$48.00	
\$69	\$51.75	
\$74	\$55.50	

Looking for the foreign and outside the continental United States (OCONUS) breakdown chart? Visit FTR Appendix B. (Note: Appendix B breakdowns do not apply to any locations in the continental United States; use the table listed above.)

The shortcut to this page is www.gsa.gov/mie.

QUESTIONS: For all travel

For all travel policy questions, email travelpolicy@gsa.gov.



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• Fire Safety

PER DIEM RATES

Overview

FY 2018 Per Diem Highlights

Per Diem Mobile App

FAQ

Per Diem Contacts

> M&IE; Breakdown

Factors Influencing Lodging

Rates

Per Diem Boundaries Fire Safe Hotels

Per Diem Look-up

Per Diem Files (Archived)

Meals and Incidental Expenses (M&IE;) Breakdown

For all travel policy questions, email travelpolicy@gsa.gov.

Choose one of the headings below to get meals and incidental expense rates (M&IE) for federal travelers.

- Find total M&IE for travel in the continental U.S.
- Find M&IE breakdown by meal for travel in the continental U.S.

M&IE Breakdown

M&IE Total (1)	Continental Breakfast/ Breakfast (2)	Lunch (2)	Dinner (2)	Incidental Expenses	First & Last Day of Travel (3)
\$51	\$11	\$12	\$23	\$5	\$38.25
\$54	\$12	\$13	\$24	\$5	\$40.50
\$59	\$13	\$15	\$26	\$5	\$44.25
\$64	\$15	\$16	\$28	\$5	\$48.00
\$69	\$16	\$17	\$31	\$5	\$51.75
\$74	\$17	\$18	\$34	\$5	\$55.50

- This table lists the full daily amount federal employees receive for a single calendar day of travel when that day is neither the first nor last day of travel.
- 2. The separate amounts for breakfast, lunch and dinner listed in the chart are provided should you need to deduct any of those meals from your trip voucher. For example, if your trip includes meals that are already paid for by the government (such as through a registration fee for a conference), you will need to deduct those meals from your voucher. Refer to Section 301-11.18 of the Federal Travel Regulation for specific guidance on deducting these amounts from your per diem reimbursement claims for meals furnished to you by the government. Other organizations may have different rules that apply for their employees; please check with your organization for more assistance.
- This column lists the amount federal employees receive for the first and last calendar day of travel. The first and last calendar day of travel is calculated at 75 percent.

The shortcut to this page is www.gsa.gov/mie.

Find M&IE breakdown by meal for foreign and outside the continental U.S. (OCONUS) travel

Spring 2018

- Conflict again!
- Put designs to the test





- Medium-term solution finally underway
- Reviewed findings & recommendation to combine Lodging and M&IE onto 1 page
- Dev team worked on a prototype and then presented to the UX team
- Decided to A/B Test

Technique: A/B Testing **Tool:** UserTesting.com; InVision



Lodging by month (excluding taxes) | October 2018 - September 2019



Filter Results...

Cities not appearing below may be located within a county for which rates are listed. To determine what county a city is located in, visit the National Association of Counties (NACO) website (a non-federal website).

Primary Destination ①	County ①	2018 Oct	Nov	Dec	2019 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Standard Rate	Applies for all locations without specified rates	\$94	\$94	\$94	\$94	\$94	\$94	\$94	\$94	\$94	\$94	\$94	\$94
Hot Springs	Garland	\$105	\$105	\$105	\$105	\$105	\$105	\$105	\$105	\$105	\$105	\$105	\$105

Showing 1 to 2 of 2 entries



Meals & Incidentals (M&IE) Breakdown



Use this table to find the following information for federal employee travel:

M&IE Total - the full daily amount received for a single calendar day of travel when that day is neither the first nor last day of travel.

Breakfast, funch, dinner, incidentals - Separate amounts for meals and incidentals. M&IE Total = Breakfast + Lunch + Dinner + Incidentals. Sometimes meal amounts must be deducted from trip voucher. See More Information

First & last day of travel - amount received on the first and last day of travel and equals 75% of total M&IE.

Filt			

Primary Destination 0	County 19	M&IE Total	Continental Breakfast/Breakfast	Lunch	Dinner	Incidental Expenses	First & Last Day of Travel ①
Standard Rate	Applies for all locations without specified rates	\$55	\$13	\$14	\$23	\$5	\$41.25
Hot Springs	Garland	\$61	\$14	\$16	\$26	\$5	\$45.75

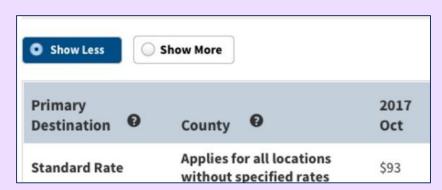
Showing 1 to 2 of 2 entries

2018 Oct	Nov	Dec	
\$94	\$94	\$94	
\$105	\$105	\$105	

Show 10 Destin	nations								Search	County of	r City		
Primary Destination 2	County 9	2017 Oct	Nov	Dec	2018 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Standard Rate	Applies for all locations without specified rates	\$93	\$93	\$93	\$93	\$93	\$93	\$93	\$93	\$93	\$93	\$93	\$93
Antioch / Brentwood / Concord	Contra Costa	\$154	\$154	\$154	\$154	\$154	\$154	\$154	\$154	\$154	\$154	\$154	\$154
Bakersfield / Ridgecrest	Kern	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100
Barstow / Ontario / Victorville	San Bernardino	\$95	\$95	\$95	\$95	\$95	\$95	\$95	\$95	\$95	\$95	\$95	\$95
Death Valley	Inyo	\$112	\$112	\$112	\$112	\$112	\$112	\$112	\$112	\$112	\$112	\$112	\$112
Eureka / Arcata / McKinleyville	Humboldt	\$101	\$101	\$101	\$101	\$101	\$101	\$101	\$101	\$129	\$129	\$129	\$101
Fresno	Fresno	\$103	\$103	\$103	\$103	\$103	\$103	\$103	\$103	\$103	\$103	\$103	\$103
Los Angeles	Los Angeles / Orange / Ventura / Edwards AFB less the city of Santa Monica	\$173	\$173	\$173	\$173	\$173	\$173	\$173	\$173	\$173	\$173	\$173	\$173
Mammoth Lakes	Mono	\$131	\$131	\$131	\$131	\$131	\$131	\$131	\$131	\$131	\$131	\$131	\$131
Mill Valley / San Rafael / Novato	Marin	\$184	\$151	\$151	\$151	\$151	\$151	\$151	\$151	\$184	\$184	\$184	\$184
Showing 1 to 10 of 33	rows Pre	vious	1	2	3	4	Ne	ext					

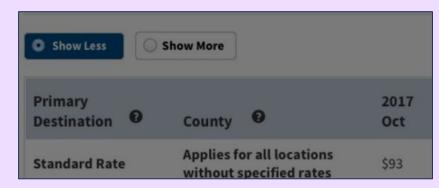






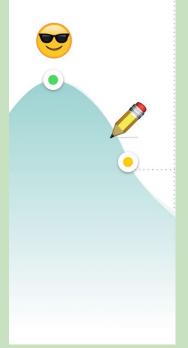






July 2018

- Medium-term improvements
- Let's keep iterating & testing



- Medium-term solution implemented
- Completed round 4 usability testing

Task: Find Total M&IE

Completion Rate

Previous rounds: 50%, 62%



Average time to complete task

Previous rounds: 2:02, 3:04



Task: Find Breakfast Allotment

Completion Rate

Previous rounds: 37%, 37%



Average time to complete task

Previous rounds: 1:19, 1:07



Present

But.... waiting for resources to become available to make updates.

 Development of long-term solution (one seamless automated tripfinder) on hold due to higher priority projects.

Timeline

Present February 2017 June 2017 Spring 2018 July 2018 May 2017 · Conflict again! · Start testing Oooof, Another Short-term Medium-term But.... waiting for · Put designs to the test · Ok, not great testing team of dev resources to improvements improvements results; here are coming in. Not · Let's keep iterating & • Let's keep iterating & become available some improvements. receptive to input. testing testing to make updates.

Lessons Learned

- Establish a plan to collaborate on implementation from the start of the UX effort.
- 2. Present solution recommendations as timed phases.
- 3. Create a shared vision of ideal solution.

Bonus Mini Case Study! IT Schedule 70 Chat Now!

(482-4348)

8:30 p.m. ITCSC@gsa.gov

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Last Reviewed 2018-12-18



IT Schedule 70

Initial Usability Recommendations Report August 15, 2018

Paul Lee, User Experience Design Intern plee@forumone.com

Tim Shaw, User Experience Design Manager tshaw@forumone.com

Hannah Webster, Project Manager hwebster@forumone.com

Julia Bradshaw, User Experience Designer <u>ibradshaw@forumone.com</u>

Kristal Byrd, User Experience and Digital Analytics Programs Manager kristal.byrd@gsa.gov

s for each customer BACKGROUND rehicle for the task at Age: 30 Years Old Time in Role: 3.5 Years Education: Bachelors Degree Time at Current Agency: 5 Years SITUATION Easy quote comparison Clarity around requirements
 Sample statements of work · Identifies available solutions and best opportunities Procurement advice · Conducts market research · Identifies requirements and customer needs Pain Points: <u>***</u> PERSONA Works with contracting office to create SOWs and execute contracts Not sure where to start ormation they need to Highest Priority:

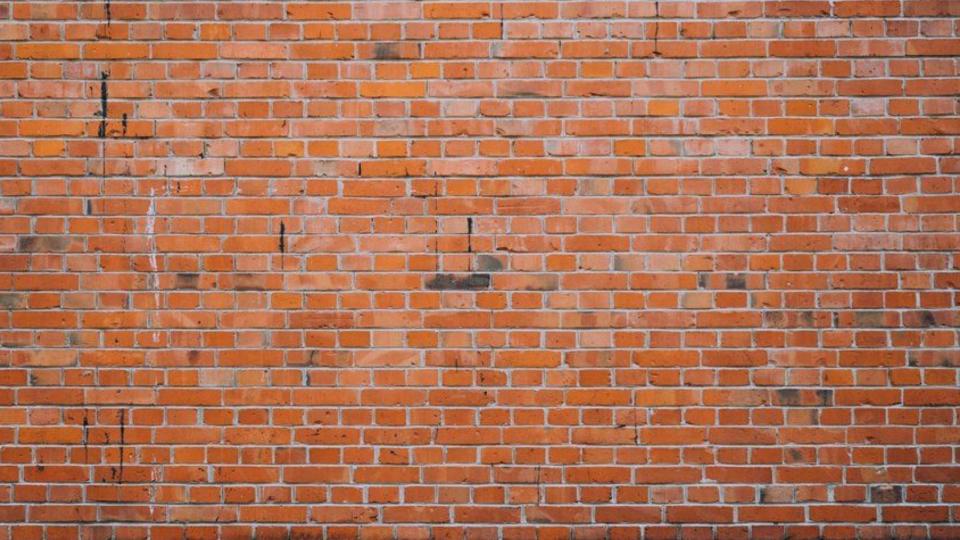
• Secure funding for a project · Understanding reasoning behind requirements & timelines · Fulfilling security requirements or contract awards . Lack of time to conduct market research · Knowing what's next in the procurement process y the regulations STAGE **IDENTIFICATION** RESEARCH ing programs to EXECUTION Responsibilities Orders services for 36 offices in the region Reports to: SNAP director for the Midwest Regional Office Reviews processes and identifies opportunities for new services or Manages a small team of employees
 Oversight of contractor performance & payments Working Autonomy: Finds a lot of information and the best options, then sends it all to the procurement officer, who does the actual procurement and RFQ. Task Identify what the customer needs Research different systems or Write Research Methods: solutions; Determine if there's an or fir Works With Google Local GSA and DoD market research services · Contracting Office active contract that could serve it IT Office · Reach out to past providers their needs Customer request; Follow-up Budget; Contract Requirements; Input Custo HABITS conversations to clarify needs Active contracts; Vendor rese information Likes & Dislikes Providers she's worked with in the past · Likes clear processes and requirements Conferences · Likes having examples Dislikes red tape and ambiguous requirements · Network of peers Output Complete customer information; Scott's team produces a market Com ed out correctly Habits & Skills: Detailed requirements from the research report Very organized
 Adept at looking at multiple sources to find all available information and person requesting them · Diligent, hard-working Successes Process to receive requests is Set of qualified vendors with Knowing exactly what to do and Straightforward vetting process to All parties agree on changes Successful project; Vendor who seamless and straightforward; offerings that closely match the who to work with when; Lots of vet proposals; Several strong will do business with them again requirements. example SOWs to look at; Clear candiates to award Clear specifications; Knowing what she's looking for templates to use **Failures** Not sure if it's all the necessary Not confident where to look; No Not sure which SOW is the most No clear winner; selection Issues are in dispute and there is Confusion over exact terms of the information; Confusing, vendors seem to offer what the disputed; unresponsive bids; no no clear resolution, or even contract and whether it's being appropriate to use; Not knowing contradictory, or unrealistic requirements demand who to work with: Not sure what one hitting price-point; issues acrimony followed correctly requirements forms to use with contract language Blockers Lots of acronyms, hidden Lack of time to conduct more Lots of different tools and Vendors not understanding the Parties can't reach agreement on When there's too many little information; Can be difficult to comprehensive market research purchasing arrangements to requirements or timelines needed changes issues and it takes up time. gather all the information use: Are there SOW templates I can use to expediate the process?

Scott Sedgwick

ITC PERSONA

<u>...</u>

14





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Expanded Highly Adaptive Cybersecurity Services Now Available on GSA's IT Schedule 70 (4/2/19)

GREAT GOVERNMENT THROUGH **TECHNOLOGY BLOG**

GSA Replaces Expiring FSSI Wireless BPAs with Newly Enhanced Wireless SIN (2/25/19)

Expanding IT Schedule 70's Cloud SIN to Make it Easier for **Customers & Contractors** (2/19/19)

Think IT Modernization? Think GSA (10/29/18)

Lessons Learned

- 1. Take the long-view; Break tasks into sub-tasks and phases
- 2. Build an implementation task into the project

Bonus Mini Case Study! Service Blueprint

	Awareness	Exploration		Registration		Attendance		Enters Procument Pipeline
USER ACTION	Click on link	Browse & filter events and training; Read descriptions	Select event to attend	Click register for event/ training	Fill out registration form & submit	Attend event/ training	Complete survey	Speak with a business development representative
TOUCHPOINT	Social media; Email; Paid ads; Speaking Engagement	Listing page	Detail pages	Registration button	Registration form fields	Webinar, teachers, materials	Survey form fields (email?)	Email; Phone call
FRONT STAGE STAFF ACTION	Speak at an event					Teach training/ talk at event	Send email with link to survey	Business Development Rep initates contact
Line of Visibility								
BACK STAGE STAFF ACTION	Create filtered targeted event listings or single event; Determine which to	Collect event info, create event pages to populate listing	Write clear titles, info & descriptions about each event	Make register button clear & obvious on the page	Create form; Determine fields	Prepare event/ training	Create survey; Determine fields	Determine lead potential
	promote		activities.					

What we heard

"This is really helpful. Takes what I have [in my head] that's abstract and makes it a more clear and definitive consideration of all these points."

"This is .. helpful.. to align a multi-channel user journey .. in which [each] leg of that journey may be optimized to improve the stakeholder experience."

Lesson Learned

1. Whenever possible align ourselves with people who are practicing human-centered design

What's next...

The road ahead

- Per diem
 - Create shared vision of long-term solution
 - Modernize per diem API dataset
 - Continue to redesign mobile app
- Partnership with high-level initiative
 - beta.sam.gov modernization project
 - Federal Marketplace Strategy Digital Experience
 - US Web Design System v 2.0
 - 21st Century Integrated Digital Experience Act
- Advocate for improved UX and design integration

How can you do this?

- Include UX in your next digital design/redesign
 - Incorporate a usability review in the development cycle
 - Mega challenge: Add UX to digital contracts
- Meet whole team at beginning talk through expectations, goals, how different teams will be woven into the process
- Use a letter of intent to get implementation commitment
- Get an executive champion
- Start working with more receptive teams
- Align with higher visibility initiatives
- Keep good records to support storytelling

Stay encouraged

- Put effort in proper perspective
 - Evaluate UX maturity of your organization
 - Define your own success accordingly
 - In low UX environment, everything counts as a win
- Stay connected with your peers in the UX COP
 - Training
 - Networking
 - Mentoring
- Volunteer for high visibility initiatives
 - Make your voice heard
 - Advocate for better UX process





Thank you! Any questions?

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Julia Bradshaw
User Experience Designer, Forum One jbradshaw@forumone.com



Extra Slides

Background

Narrative

- GSA.gov was formed by joining many disparate organization sites.
- The global navigation evolved to become topic-based, but the majority of content remains organization-centric.

Timeline

- 1994 CIO created GSA.gov
- 1995-1999 each organization developed content, some on GSA.gov, some on own sites
- 1999 CIO/Public Affairs designated GSA.gov as agency portal
- 1999 2003 Major organizations moved some content to the portal
- 2003 now GSA.gov evolved -- some topic-based content, mostly organization-based

Better UX design maturity makes an organization more competitive and more effective at delivering great products and services. While this is easy to say, we've seen this is not easy for key executives and stakeholders to understand. Without that understanding, organizations rarely improve.

Jared Spool

Progress we've made

Quote from Jared Spool

The more the organization has a deep understanding of the challenges and struggles of its customers and users, the more the organization can work to eliminating those struggles and overcoming those challenges.

https://articles.uie.com/increasing-an-organizations-ux-design-maturity-our-not-so-secret-sauce/